

CAC Technology® Data Sheet

RF Coaxial Cable P/N: 35L1_PE

Description

35L1_PE

the double shield flexible coaxial cable, extra-low loss RF cable.



Construction

Inner Conductor :	① Bare Copper	0.93mm±0.02
Dielectric:	② Foamed PE with skin	2.79mm±0.08
Shield :	③ Bonded aluminum foil 100% coverage	2.95±0.10
Braiding:	④ Tinned copper wire Braid	3.53±0.12
Jacket :	⑤ FR-PE, Black	4.95mm±0.13

Electrical Data

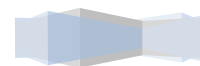
Impedance	50 ohm
Max. operating frequency	5.80 GHz
Velocity of signal propagation	80%
Shielding effectiveness	> 90 dB (@1 GHz)
Max. operating voltage	2000V

Mechanical Data

Weight	48g/ m
Min. bending radius	120 mm

Environmental Data

Temperature range	-45 °C ~ + 85 °C
2011/65/EU (RoHS)	compliant



Attenuation & CW Power

Frequency	Attenuation	Attenuation	CW Power
MHz	dB/100m	dB/100ft	W
100	13.41	4.09	386.88
300	23.75	7.24	218.47
500	31.12	9.49	166.72
700	37.26	11.36	139.22
1000	45.21	13.78	114.75
1300	52.20	15.91	99.38
1600	58.56	17.85	88.59
1900	64.46	19.65	80.49
2200	70.00	21.33	74.12
2500	75.25	22.94	68.94
2800	80.27	24.47	64.63
3100	85.09	25.94	60.97
3400	89.74	27.35	57.81
3700	94.25	28.73	55.05
4000	98.62	30.06	52.61
4300	102.88	31.36	50.43
4600	107.03	32.62	48.47
4900	111.09	33.86	46.70
5200	115.06	35.07	45.09
5500	118.96	36.26	43.61
5800	122.79	37.42	42.25
6000	125.30	38.19	41.41

Version	Drawn/Date	Check/Date
01	Jinyuan 2012.10.18	wangzhen 2012.10.19

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